

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8137 (1976): Springs for Plain Calico Looms [TXD 14: Machinery for Fabric Manufacture]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard



SPECIFICATION FOR SPRINGS FOR PLAIN CALICO LOOMS

1. Scope — Prescribes requirements for the following plain calico loom springs:

- a) Swell spring,
- b) Back spring,
- c) Bow spring, and
- d) Box-end spring.

2. Material — Springs shall be made of cold rolled spring steel conforming to Grade 4 of IS : 2507-1965 'Specification for cold rolled steel strip for springs'.

3. Requirements

3.1 Dimensions — shall be as agreed to between the buyer and the seller according to the make of loom subject to the tolerances specified in IS : 2102-1969 'Allowable deviations for dimensions without specified tolerances (*first revision*)' in respect of width and length and IS : 2507-1965 in respect of thickness. Typical springs are shown in Fig. 1 to 4.

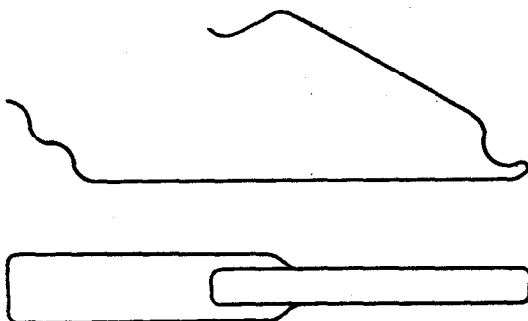


FIG. 1 SWELL SPRING

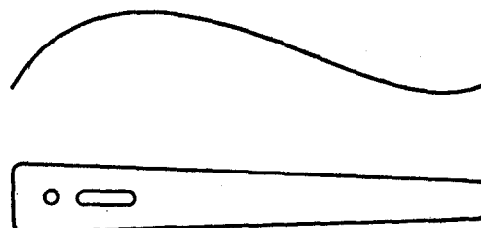


FIG. 2 BACK SPRING

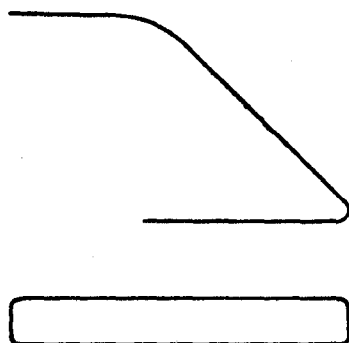


FIG. 3 BOW SPRING

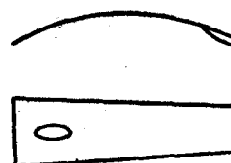


FIG. 4 BOX-END SPRING

3.2 Hardness — The hardness as measured on Rockwell C scale according to the method prescribed IS : 1586-1968 'Methods for Rockwell hardness test (B and C scales) for steel (*first revision*)', shall be 36 to 43 HRC.

4. Marking — Each spring shall be marked with manufacturer's name or trade-mark.

4.1 ISI Certification Marking — Details available with the Indian Standards Institution.

5. Sampling — Unless otherwise agreed to between the buyer and the seller, for inspection of dimensions and hardness, the single sampling plan with Inspection Level I and Acceptable Quality Level (AQL) of 2.5 percent given in Tables 1 and 2 of IS : 2500 (Part I)-1973 'Sampling inspection tables: Part I Inspection by attributes and by count of defects (*first revision*)' shall be followed.

Adopted 6 August 1976

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